

Date: Thu, 13 May 93 13:14:57 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #579
To: Info-Hams

Info-Hams Digest Thu, 13 May 93 Volume 93 : Issue 579

Today's Topics:

>>>>>> HELP ! QUESTION about ALINCO DJT180T 2m HT <<<<<<<<<<<<<
 Electronic replacement for R7000 CO Relay?
 G5RV Antenna
 HAM-server
 Info on RMS Electronics Freq. Meter?
 no-code defense (2 msgs)
 No-code stuff
 question about Radio Shack 2-MTR HT (3 msgs)
 Ramsey Kits (2 msgs)
 Sometimes staying home is more exciting!

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 12 May 93 14:15:04 GMT
From: tarpit!fang!att!bigtop!drutx!paul@uunet.uu.net
Subject: >>>>>> HELP ! QUESTION about ALINCO DJT180T 2m HT <<<<<<<<<<<<<
To: info-hams@ucsd.edu

In article <1993May12.030517.6201@martha.utcc.utk.edu>, wizard@utkvx.utk.edu
(Miller, Brian) writes:

> I am trying to decide between an Alinco DJT180T and a Yaesu FT411 HT.
>
> The DJT180T is \$214.00 NEW
> The FT411 (With extra batt, speaker/mic) \$220.00 USED
>
> Can anyone HELP me choose the better of the two ???

>
> This is my first purchase of HAM gear and I am unsure.
> The advantage of a new one of course is a warranty and knowing
> what it has been thru ;-)
>
>
> Please help,
> Brian Miller

I bought one of the 180's a couple of months ago...it quit working a week after I bought it...but that's not the problem HRO would have been very happy to replace it if I had wanted another 180. The Alinco 180 is very short on features (thus the lower price) features that you will wish you had after its in your hands. No keyboard frequency input, no S-meter, only 10 memorys, you can't plug 12 volts into it... you have to buy an adaptor. I know none of these sound like big deals but if you buy any HT without these features you'll wish you had them later.

Just my thoughts on the subject...when the 180 broke I replaced it with an FT-470. It has worked flawlessly.

73...Paul Anderson WB0ZRD at AT&T Bell Labs in Denver, Colorado

Date: Thu, 13 May 93 08:14:17 EDT
From: das.wang.com!wang!tossport!lee@uunet.uu.net
Subject: Electronic replacement for R7000 CO Relay?
To: info-hams@ucsd.edu

Hi all.

Question -

The Icom R7000 is a fine wideband receiver. I use it under computer control. One problem that I forever keep butting my head against is that when trying to perform high speed scanning, latency in the operation of the mechanical carrier operated relay leads to incorrect channel activity sensing and reporting.

Would any kind soul out there have a simple design for a solid state replacement for this relay? (Of course, pcb template would be even better <grin>)

Sources, suggestions, etc. gratefully accepted.

Thanks,
Lee.

Date: 13 May 93 18:45:05 GMT
From: news-mail-gateway@ucsd.edu
Subject: G5RV Antenna
To: info-hams@ucsd.edu

>I know a G5RV is a multi-band dipole-like antenna but that is about
>all I know about it. I have seen other interesting discussions about
>antennas here. I'd like to see one on the G5RV. What bands does it
>cover for what lengths of wire? (obviously one could scale it) How
>does it work theoretically? How well does it work practically? Are
>there good ones and bad ones? What does it take to make a good one?
>How does it compare to a trapped dipole?

The Nov. '92 CQ carried an article by Bill Orr, W6SAI, on an
improved G5RV which gave lower SWRs on most bands. Make the
center section 92 ft 6 in instead of 102 ft and the 300 ohm feedline
37 ft 3 in instead of 29 ft 6 in. Antennas West in Provo, UT
has an application note on the G5RV.
Cecil...KG7BK

Date: Wed, 12 May 93 23:26:26 PDT
From: pacbell.com!amdahl!grafex!ka6etb@network.UCSD.EDU
Subject: HAM-server
To: info-hams@ucsd.edu

Well, I think it's working again.

73 de Steve

Date: Thu, 13 May 1993 13:35:34 GMT
From: swrinde!zaphod.mps.ohio-state.edu!howland.reston.ans.net!gatech!hubcap!
ncrcae!ncrhub2!law7!jra@network.UCSD.EDU
Subject: Info on RMS Electronics Freq. Meter?
To: info-hams@ucsd.edu

I just acquired a frequency error meter made by RMS Electronics of
Atlanta, GA, and wonder if anyone a) might have a manual for it, or b)
knows if RMS or its successor is still around (they're not in Atlanta

anymore). I've already checked with Tucker Electronics and they don't have a manual, or a current phone number.

Here are the details:

RMS Model 9403 Digital Frequency Meter, S/N 1317.

This is a seventies-vintage rack mount unit with an LED display. It's actually a frequency error multiplier; you feed a standard signal at 1MHz into it, and the signal under test at any of a number of discrete frequencies. It normalizes the two, multiplies and mixes back down, and displays the error as parts in 10x (x is from 5 to 9).

Looks like a nice unit, if I can get it to work... and a manual would help!

Thanks for any info anyone can provide.

--

John R. Ackermann, Jr. Law Department, NCR Corporation, Dayton, Ohio
(513) 445-2966 John.Ackermann@daytonoh.ncr.com
Packet Radio: ag9v@n8acv.oh tcp/ip: ag9v@ag9v.ampr [44.70.12.232]

Date: Thu, 13 May 1993 17:19:19 GMT
From: swrinde!gatech!howland.reston.ans.net!newsserver.jvnc.net!darwin.sura.net!
rsg1.er.usgs.gov!resdgs1.er.usgs.gov!tbodoh@network.UCSD.EDU
Subject: no-code defense
To: info-hams@ucsd.edu

In article <X23e4B4w165w@jackatak.raider.net>, jackhill@jackatak.raider.net (Jack GF Hill) writes:

|>

|> I STILL don't know why I did that... but, I FEEL so much better! ;^)

|>

|> 73

|>

|> +-----+

|> | Jack GF Hill |Voice: (615) 459-2636 - Bicycling and SCUBA Diving |

|> | P. O. Box 1685 |Modem: (615) 377-5980 - Compu\$erve 76427,31 |

|> | Brentwood, TN 37024|jackhill@jackatak.raider.net - Ham Call: W4PPT |

|> +-----+

--

Bravo!

+++++

+ Tom Bodoh - Sr. systems software engineer
+
+ USGS/EROS Data Center, Sioux Falls, SD, USA 57198 (605) 594-6830 +
+ Internet; bodoh@dggs.cr.usgs.gov (152.61.192.66)
+
+ "Welcome back my friends to the show that never ends!" EL&P
+
++++

Date: Wed, 12 May 1993 03:18:44 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!
darwin.sura.net!knuth.mtsu.edu!raider!theporch!jackatak!jackhill@network.UCSD.EDU
Subject: no-code defense
To: info-hams@ucsd.edu

system@mooch.sbs.com (Christopher Ogren) writes:

> gary@ke4zv.UUCP (Gary Coffman) writes:
> > Well I've been licensed since 1963, Novice then General, that's before
> > the Incentive Licensing crap. Now I hold an Advanced. So I know code,
> > but I lobbied for, and continue to support, the no code license, as
> > did the QCWA, made up *solely* of people licensed before no code, TAPR,
> > AMSAT, and other progressive organizations. I believe it's been a huge
> > success and has breathed new life into a moribund service. "Incentive"
> > licensing nearly killed American amateur radio, and continues to this
> > day to impose a nonsensical requirement to demonstrate high speed Morse
> > manual skills in order to get access to additional *voice* frequencies
> > at HF. That didn't make any sense in 1968, and it still doesn't today.
Amen, Gary. I am not sure why I am doing this, but if I could figure
out this news-reader, I'd take this to policy, where it belongs..

> Well the ARRL did not support no-code for the longest time and I have
> oodles of QST articles to prove it. Then they did an about face
> because of the \$\$\$\$. ARRL does not represent a majority of hams anyway.

AAAA AAAA AAA AAAAAAAAAA A AAAAAAAAA AA AAAA AAAAAA

Well, Mr. O, it seems you have a great deal to learn about the
workings of the rest of the world, outside the rather tightly and
hermetically sealed state of mind called Rhode Island. Had you stated
your premise that the majority of licensed US hams were not members of
the American Radio Relay League, you'd have been correct. However, as
far as the Federal Government (US) and the various International
Governments who collectively make the world-wide rules... The ARRL
IS the representative body for US Amateur Radio. Hands down. No
argument. NO COMPETITION. The ARRL is THE representative body.

Now, this may rankle you, but it is just the facts. In order to change
this, you will have to a) develop a competitive representative body and

get all the governments, including the FCC, to recognize your group instead of the ARRL; or b) join the ARRL, vote, elect people who support some of your opinions and feelings and make your changes from within.

As an Old Buzzard, who has been around this pole a helluva lot more often than you have in your tender 24 years on the planet, I think you are way off base, and your sample of hams which you pulled out in a previous post to argue with Mr. Levin, is deeply flawed: you only are citing the opinions of people who hang around with you, and any fool can see that your rather loud and belligerent manner would tend to tilt the bias in favor of your opinion... ;^) Nothing wrong with you hanging around with people who agree with you, but that doesn't exactly make for any sense of a good sample... go broader...out of RI... ask LOTS of hams who have been licensed since BEFORE the incentive licensing program nearly made us all extinct...and check your percentages again....closely...people with memories and no desire to repeat the stupidity of 1968 are pretty well in favor of the licensing scheme that permits licenses without a CW requirement... that these new hams are upgrading, at the rate of nearly 2 of every 3, should take a great deal of the argument out of you.... but like so many who like to believe they are educated because of a college degree... you will no doubt sputter on, further proving ignorance is no filter for anything...

I STILL don't know why I did that... but, I FEEL so much better! ;^)

73

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+-----+
| Jack GF Hill          |Voice: (615) 459-2636 - Bicycling and SCUBA Diving |
| P. O. Box 1685        |Modem: (615) 377-5980 - Compu$erve 76427,31 |
| Brentwood, TN 37024|jackhill@jackatak.raider.net - Ham Call: W4PPT |
+-----+
```

Date: Thu, 13 May 1993 02:02:08 EST
From: anomaly.sbs.com!kd1nr!news@uunet.uu.net
Subject: No-code stuff
To: info-hams@ucsd.edu

dube@cpdvax.CSc.ti.COM writes:

> I guess if I had one complaint it would be that a lot of places don't seem to
> be overly friendly toward "alien" calls. Thee have been a few places where
> I simply could NOT elicit a reply from any listening station, even though I
> was able to hit the repeater well. And there are a scattered few who, even

> though they may answer a call, act as if they wish you'd go away.

Actually, it's because some of the alien calls make such a nuisance of themselves. I know we've got two 'alien' calls that I've heard on the .70 repeater here in Providence and by far, I hear those calls thrown out over, and over, and over, and over...ad infinitum. So if you ever hear N2TYC or KA3WLB..... you'll know. :) But on the other hand, there are also so-called 'alien' calls that really don't bother us.

> All those with CW privileges do have one big advantage, though, if they feel
> so strongly about it: They can escape to the spectrum below 30 MHz. where
> they won't be bothered by the no-codes.....

Exactly! That's why we want to protect it.

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-----  
Tony Pelliccio kd1nr/ae      "Usenet is like a herd of performing elephants  
*!***!***!***!***!***!*** with diarrhea -- massive, difficult to  
system@garlic.sbs.com      redirect, awe-inspiring, entertaining, and a  
----- source of mind-boggling amounts of excrement  
                                when you least expect it."  --spaf (1992)
```

```
-----  
Date: Thu, 13 May 1993 15:26:17 GMT  
From: chapman@cu-arpa.cs.cornell.edu  
Subject: question about Radio Shack 2-MTR HT  
To: info-hams@ucsd.edu
```

ginsburg@wellfleet.COM (Scott Ginsburg) writes:

>I recently purchased a Radio Shack HTX-202 HT and last night discovered
>that the receiver is swamped with noise from both my NCD X Terminal monitor
>and my IBM XT monitor to the point that I'm not sure I could use it on
>packet with my current computer equipment. Has anyone else with an HTX-202
>experienced similar problems, and if so have the problems been solved?

I use my HTX-202 for packet. I had the same problem that you do when I tried to operate from the "rubber duck" antenna. I tried some other antennas (5/8 wave ground plane and 2-elt quad). Just moving the antenna away from the computer about 10 feet virtually eliminated the RFI from the machine.

73 de KC4IFB
Richard Chapman

Date: Thu, 13 May 1993 06:18:45 GMT
From: agate!howland.reston.ans.net!europa.eng.gtefsd.com!emory!wa4mei!ke4zv!
gary@ames.arpa
Subject: question about Radio Shack 2-MTR HT
To: info-hams@ucsd.edu

In article <9305121559.AA00688@ginzo.wellfleet> ginsburg@wellfleet.COM (Scott Ginsburg) writes:

>
>I recently purchased a Radio Shack HTX-202 HT and last night discovered
>that the receiver is swamped with noise from both my NCD X Terminal monitor
>and my IBM XT monitor to the point that I'm not sure I could use it on
>packet with my current computer equipment. Has anyone else with an HTX-202
>experienced similar problems, and if so have the problems been solved?

This is a very common problem. Monitors and HTs on rubber ducks don't get along well. There are steps you can take to quieten the monitors, conductive sprays, wire mesh, etc, but the easiest approach is to use a remote antenna on the radio to get it out of the near field of the offending monitor. This can be a problem with most HTs that have wide receive capability since the outdoor antenna will receive too much out of band energy and suffer extreme intermod (the ducky is an attenuator). Fortunately you have the HTX-202 which has very good out of band filtering, therefore it will work properly with an outside antenna attached.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				

Date: 13 May 93 13:35:31
From: swrinde!sdd.hp.com!zaphod.mps.ohio-state.edu!uwm.edu!caen!rphroy!
link.ph.gmr.com!vbreault@network.UCSD.EDU
Subject: question about Radio Shack 2-MTR HT
To: info-hams@ucsd.edu

In article <9305121559.AA00688@ginzo.wellfleet> ginsburg@wellfleet.COM (Scott Ginsburg) writes:

I recently purchased a Radio Shack HTX-202 HT... <RFI stuff deleted>

I believe they will be on sale for ~\$200.00 soon. It will be a short

duration sale (a few days). If you bought the radio within the last couple of weeks then I believe you ought to see your RS store manager and ask for a price adjustment.

It's a fine radio at its regular price and a great bargain at \$200.00.

--

Val Breault - N80EF - vbreault@gmr.com \ /|
Instrumentation dept GM NAO R&D Center \ /|
My opinions are not necessarily those of \ /__|
GMR nor of the General Motors Corporation \ / |___

Date: 13 May 93 18:43:46 GMT
From: news-mail-gateway@ucsd.edu
Subject: Ramsey Kits
To: info-hams@ucsd.edu

> I purchased a ftr146 and the cabinet kit. I really liked the way
> the kit went together and especially the manual and how you
> got to test various sections as you completed them.

> I called Ramsey and got their technical support person who informed
> me that they had gotten a large number of bad crystals from the
> manufacturer and since they were stuck with them, I was stuck with them.
> He gave me a procedure to bring the crystals on freq... well ti didn't
> work..but my friend was able to bring them close enough to get the
> radio to work

> Jeff,AC4HF

Jeff, in defence of Ramsey, one must understand that the FTR-146 was their first VHF transceiver kit and was not the best design in the world, having one separate oscillator XTAL each for receive, simplex, neg offset, and pos offset. They quickly replaced the FTR-146 with the FX-146 which is a lot better design using a single 10.24 MHz Xtal for frequency control with a Motorola MC145152 synthesizer chip. I and my friend, Bob, W7FEZ, both built FX-146s with very few problems. I had the same problem as you did with my FTR-146 and solved the XTAL problem by installing EPROMs in the diode matrix to give me full frequency coverage including automatic offsets without having to use the offset oscillators which were the main XTAL problem.

Cecil...KG7BK

Date: 13 May 1993 18:09:02 GMT
From: swrinde!sdd.hp.com!zaphod.mps.ohio-state.edu!malgudi.oar.net!news.ysu.edu!

yfn.ysu.edu!ag821@network.UCSD.EDU
Subject: Ramsey Kits
To: info-hams@ucsd.edu

In a previous article, Cecil_A_Moore@ccm.hf.INTel.COM (Cecil A Moore) says:

>
>> I purchased a ftr146 and the cabinet kit. I really liked the way
>> the kit went together and especially the manual and how you
>> got to test various sections as you completed them.
>
>> I called Ramsey and got their technical support person who informed
>> me that they had gotten a large number of bad crystals from the
>> manufacturer and since they were stuck with them, I was stuck with them.
>> He gave me a procedure to bring the crystals on freq... well ti didn't
>> work..but my friend was able to bring them close enough to get the
>> radio to work
>
>> Jeff,AC4HF
>
>Jeff, in defence of Ramsey, one must understand that the FTR-146 was their
>first VHF transceiver kit and was not the best design in the world, having
>one separate oscillator XTAL each for receive, simplex, neg offset, and pos
>offset. They quickly replaced the FTR-146 with the FX-146 which is a lot
>better design using a single 10.24 MHz Xtal for frequency control with a
>Motorola MC145152 synthesizer chip. I and my friend, Bob, W7FEZ, both built
>FX-146s with very few problems. I had the same problem as you did with my
>FTR-146 and solved the XTAL problem by installing EPROMs in the diode matrix
>to give me full frequency coverage including automatic offsets without having
>to use the offset oscillators which were the main XTAL problem.
>
>Cecil...KG7BK
>

Cecil,

I didn't mind the problems... my complaint is the nasty way Mr. Ramsey lied to me, and the fact that they should have just replaced the crystals... I have built a lot of kits and never had this problem.. most of the other manufacturers of ham radio equipment seem a lot more reputable..

PS.. my 2 meter rig has been working fine.. I use it daily mostly for packet

73

--

Jeff M. Gold, AC4HF
Manager, Academic Computing Support
Tennessee Technological University

Date: Thu, 13 May 1993 18:40:12 GMT
From: news.service.uci.edu!ttinews!harley!paulb@network.UCSD.EDU
Subject: Sometimes staying home is more exciting!
To: info-hams@ucsd.edu

I almost went to a scanner club meeting last night. I had always been a lone-wolf scanner buff: getting my information from periodicals and the net. I never looked at scanning as a group activity. But, I am the curious sort. I would have gone except that I just finished two 12 hour days at work and figured that I could use the sleep.

Boy, was I wrong! Nine PM and my doorbell rings like crazy. At the same time my wife and I say to each other: "Were you expecting anyone?". And at the same time: "No".

I open it up to find a figure in dark blue. "LAPD. We are going to be in your bushes, so don't call the police or turn on your outside lights". "You must be lost, this isn't Los Angeles." "We know that. We aren't lost." "What's happening?" "We'll tell you later."

I felt it strange the a cop would tell me not to call the police. And to be out of territory. One way to tell if they are legit is to turn on my trusty scanner. TAC-8. LAPD's Emergency Frequency. It was clear that they were casing the house across the street. "I see him in the window... he has a rifle or shotgun.... he is pacing like he is very agitated".

The cops keep coming in to use my phone. I am told that they have phones... but they are not working. I make them coffee and croissants... hey, I didn't have any donuts. Finally, they ask to borrow my cordless.

Turns out that the guy baricaded across the street just robbed a convenience store with a gun. As time goes on, the residents of the house return. They discover his name, his record and that he is on cocaine and alone in the house. They try to reach him but the phone was busy. I check the cordless freqs for the cops and tell them that if he is on the phone, it isn't a cordless. They thank me. They seem amused that I am following them with a scanner.

They try telling him to come out with a PA system. Over and over to no avail. The homeowners and their children (this guy is the boyfriend of

the daughter) are shepherded over to our house. We become the police command post. The neighbors are glad that the scanner lets them follow the proceedings.

Finally, the cops decide to call in the SWAT team. Unfortunately, that means that they have to evacuate all of the neighbors. That means us. We move over one house. The party gets bigger. We listen to the SWAT activities. They position themselves around the entrances. Then they position the snipers.

Next step, the bull horn. They ask him to hang up the phone so that they could talk to him. No response. Again and again with a busy signal. Then his mother gets on the bullhorn and asks him to come out and he won't be hurt. No response.

Time for the tear gas. As they position six men around various windows, they tell the LAPD regulars to notify the homeowner that they were going to teargas him. Off course, she heard this conversation and knew it before they arrived. We even opened the door just before they knocked!

Turns out that the regular cops couldn't get the SWAT freqs on their handy-taklie. So, my scanner intrigued them. They stayed and listened so they knew what was happening.

The orders went out: 2 rounds from every position. 12 rounds in all. the next order: let him cook in there. then the bull horn. no response. 1 more round from each position. then he came out.

We went back home, they called in the fire department to ventilate the house attacked with their fans. The full episode took 6 hours.

Ghengis Khan but Immanuel Kant

Paul Blumstein, paulb@harley.tti.com, DoD #36, ABATE, AMA, HOG, doh #2
KD6LAA, MARC, ARRL, Platypus #240, QRP-ARPCI, NASWA, LWCA, RCMA (CALA905)
Transaction Technology, Inc., Santa Monica, CA

Date: 13 May 93 18:11:12 GMT

From: concert!news-feed-1.peachnet.edu!darwin.sura.net!mojo.eng.umd.edu!
mebly@decwrl.dec.com

To: info-hams@ucsd.edu

References <C6xAy6.1ux@ucdavis.edu>, <f0zC03YNd1Wm00@amdahl.uts.amdahl.com>,
<1stqqgINNk8q@mojo.eng.umd.edu>u

Subject : Re: CFV to reorganize this group

In article <1stqqgINNk8q@mojo.eng.umd.edu> chuck@eng.umd.edu (Chuck Harris - WA3UQV) writes:
>In article <f0zC03YNd1Wm00@amdahl.uts.amdahl.com> ikluft@uts.amdahl.com (Ian Kluft) writes:
>>Please reserve your "no" votes only for groups that you think have some sort
>>of serious problems. After all, someone else had to argue very hard to gain
>>the support of others to get it on the proposal. And, who knows, that person
>>may be supporting the newsgroups you want.
>
>Bad idea! Abstaining on a vote is the same as a "yes" vote. Since SOMEONE
>wanted the group, or it wouldn't be on the ballot. Abstaining is how we
>get these groups that pass with 6 "yes" votes, and 0 "no" votes (and 40,000
>abstentions)
>
>Vote NO for any group that you don't want to vote YES for! We have too many
>unused newsgroups already.
>

Not quite true. In order for any group to be created, the vote must satisfy two conditions:

1. 2/3 of the votes cast must be in favor
2. The difference between the number of yes votes and no votes must be at least 100.

If the yes votes don't outnumber the no's by at least 100, nothing happens.

If you don't care, ABSTAIN.

--

Mark Bailey KD4D
mebly@eng.umd.edu

Motto: Life's too short to drink cheap beer.
Disclaimer: I didn't really say this.

End of Info-Hams Digest V93 #579
